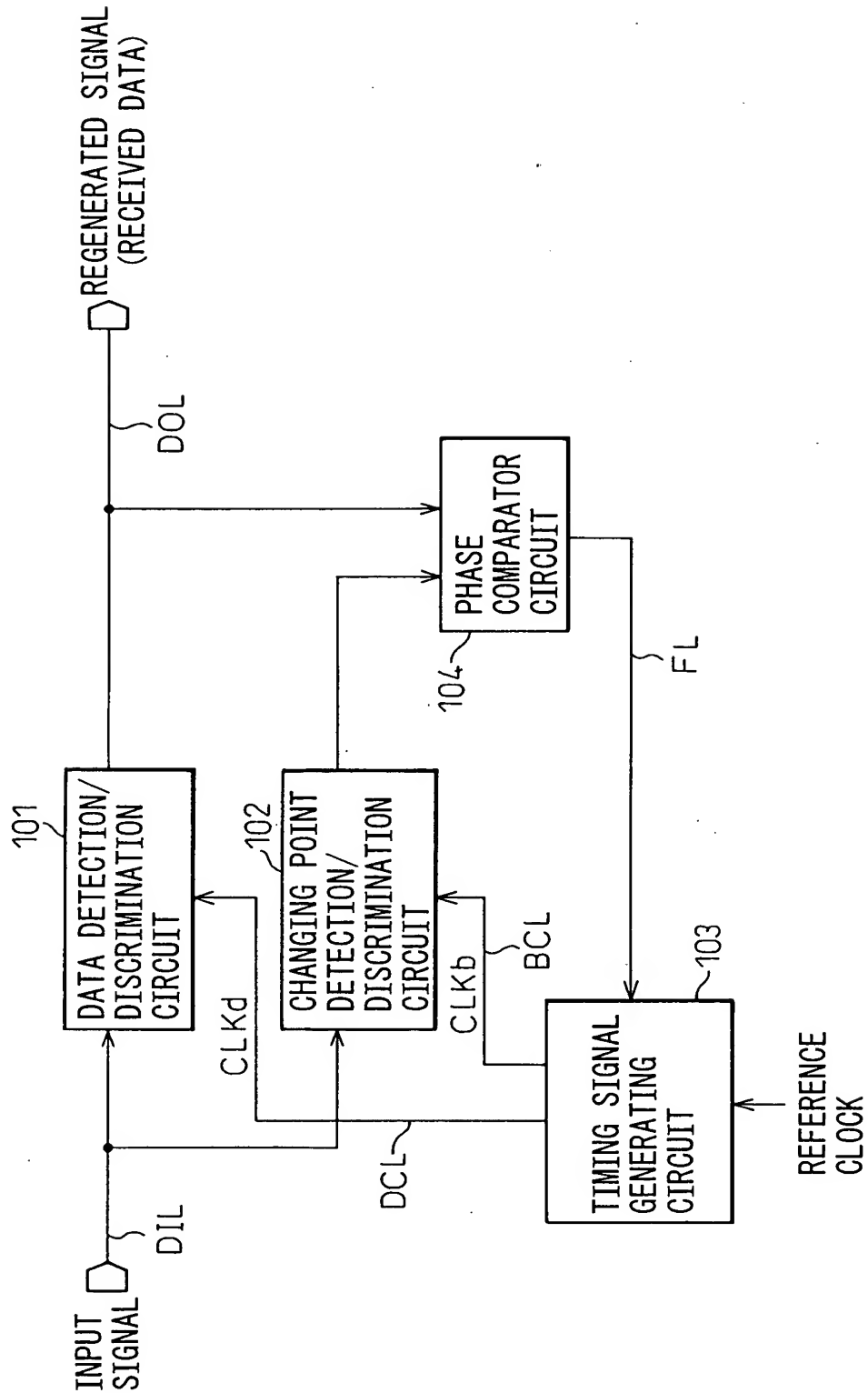


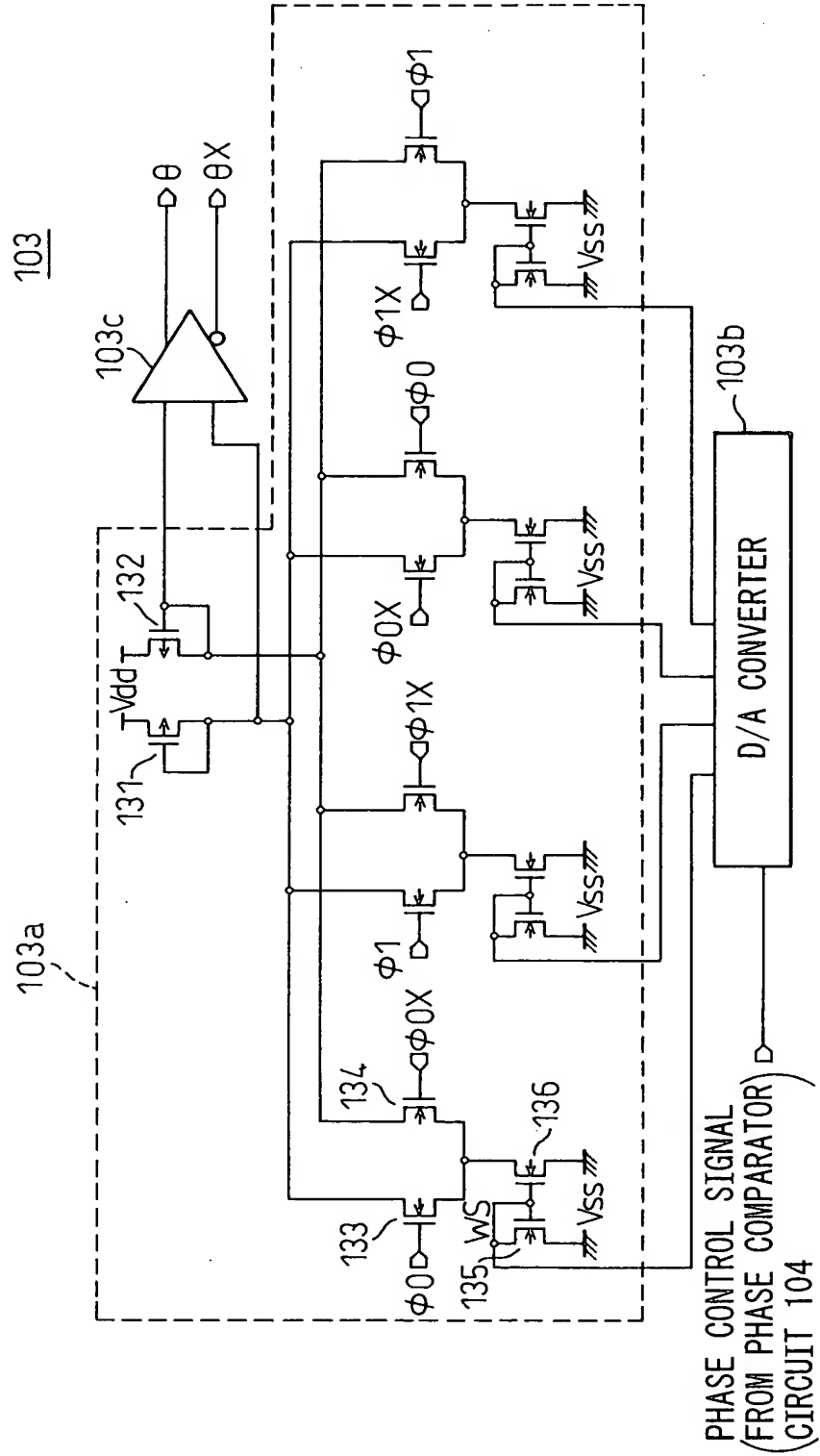
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Fig.1  
(PRIOR ART)



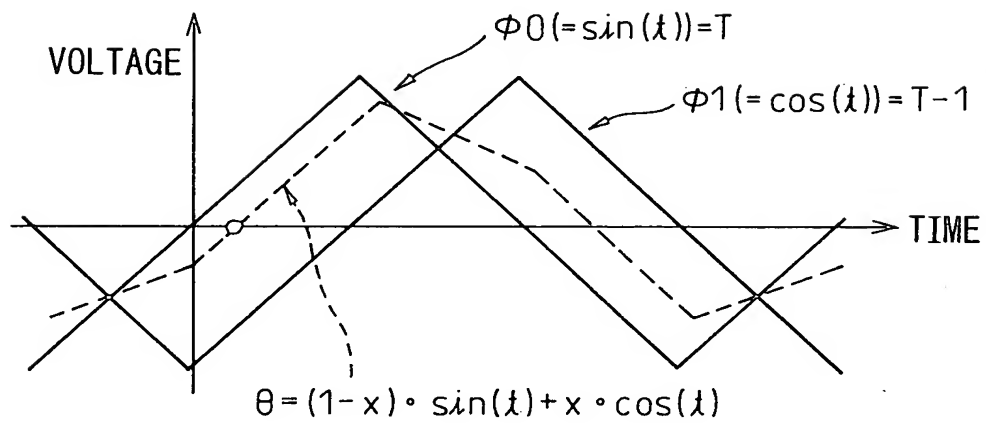
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Fig.2  
(PRIOR ART)

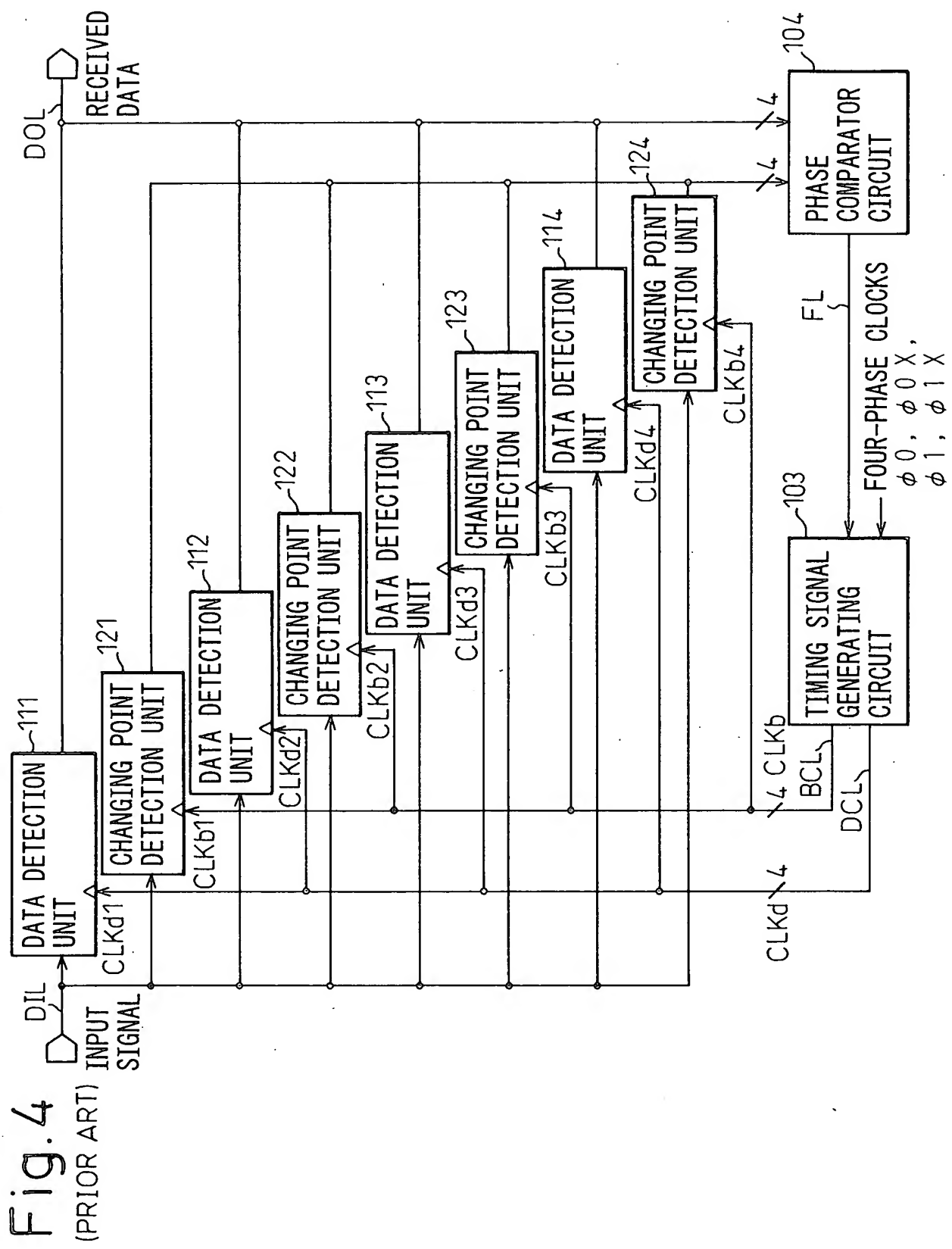


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Fig.3  
(PRIOR ART)

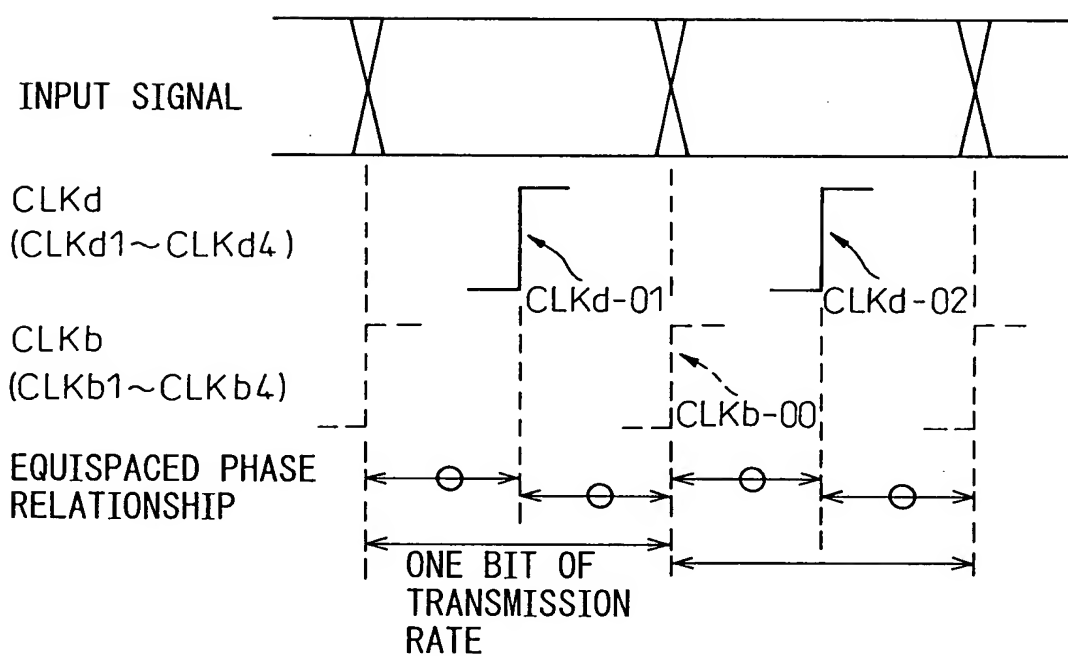


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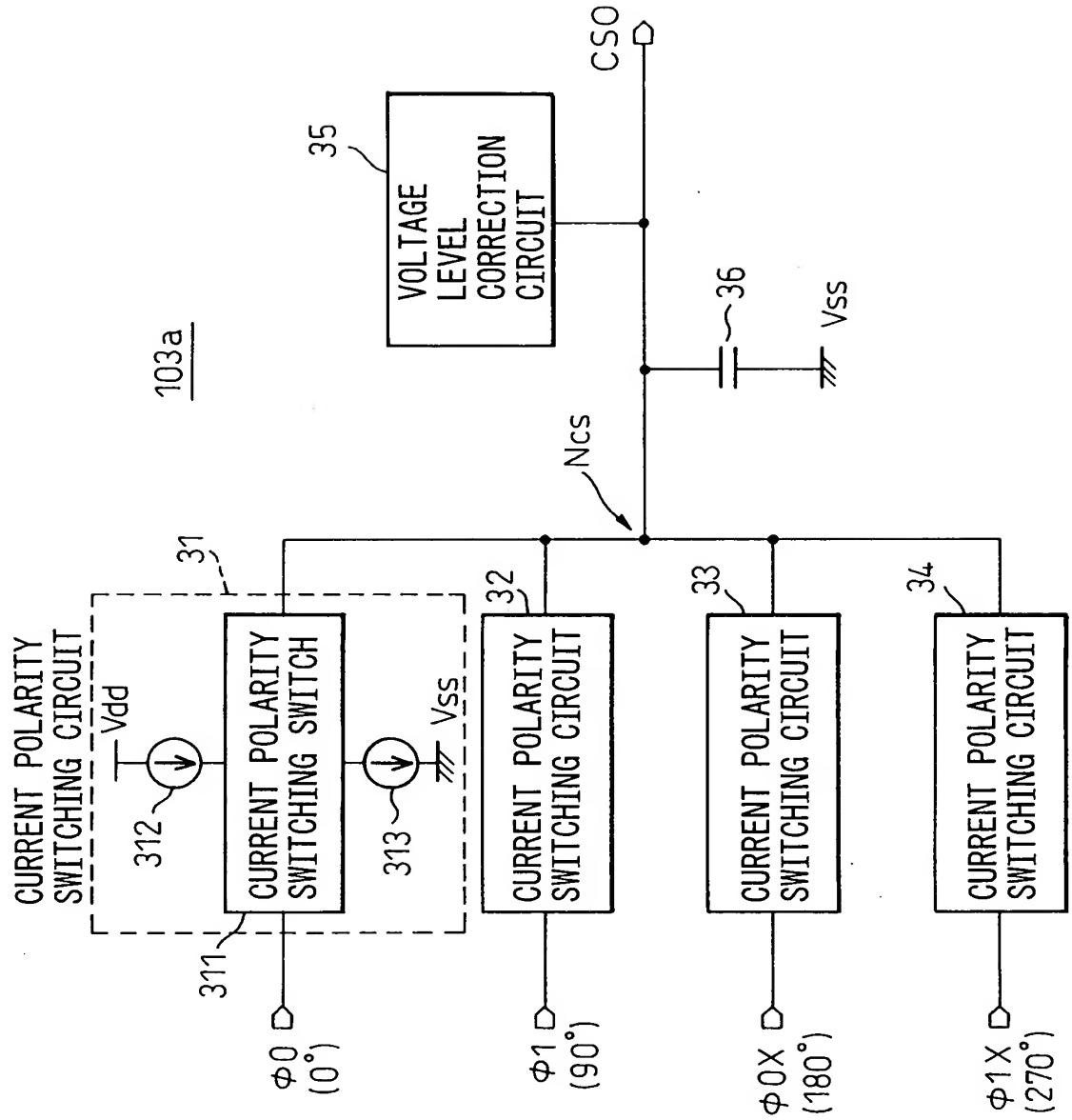
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Fig.5  
(PRIOR ART)



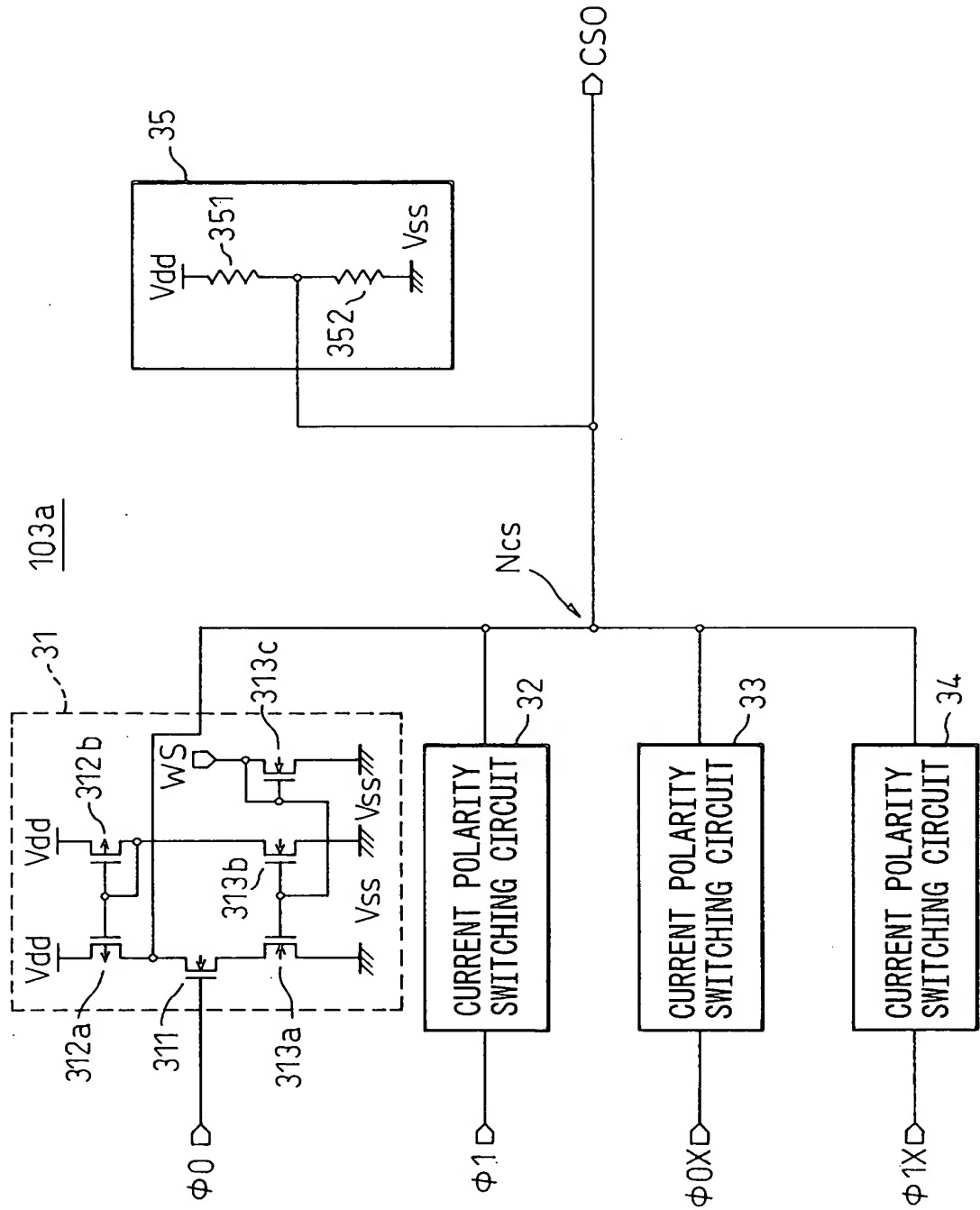
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Fig.6



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Fig.7



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Fig.8A

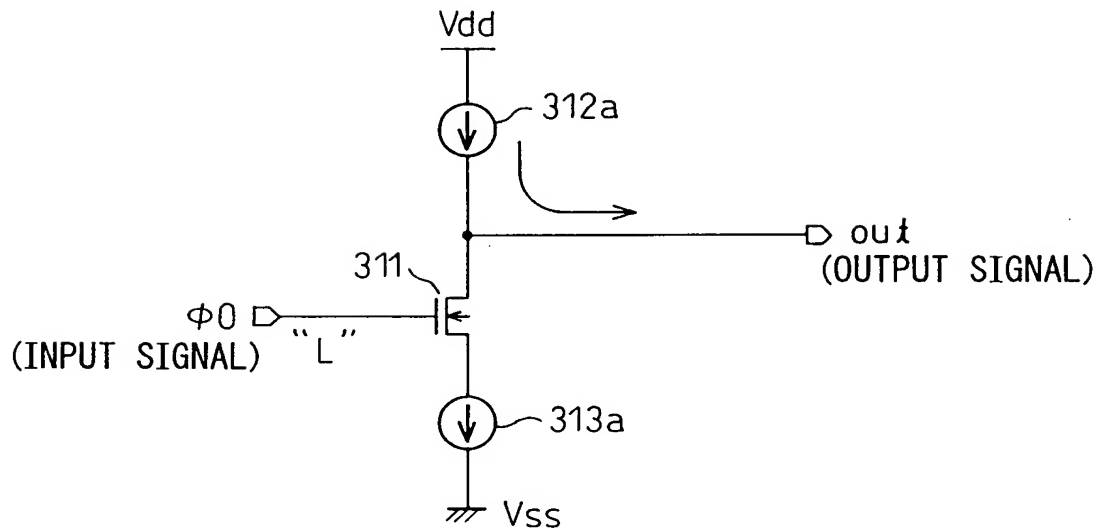
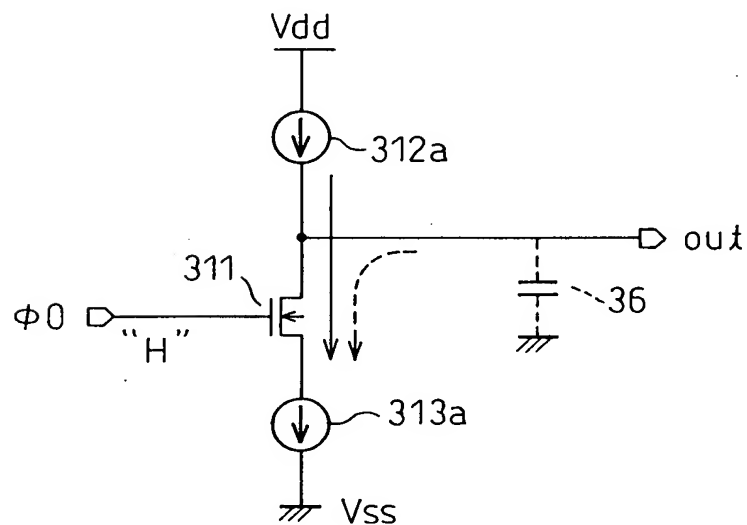


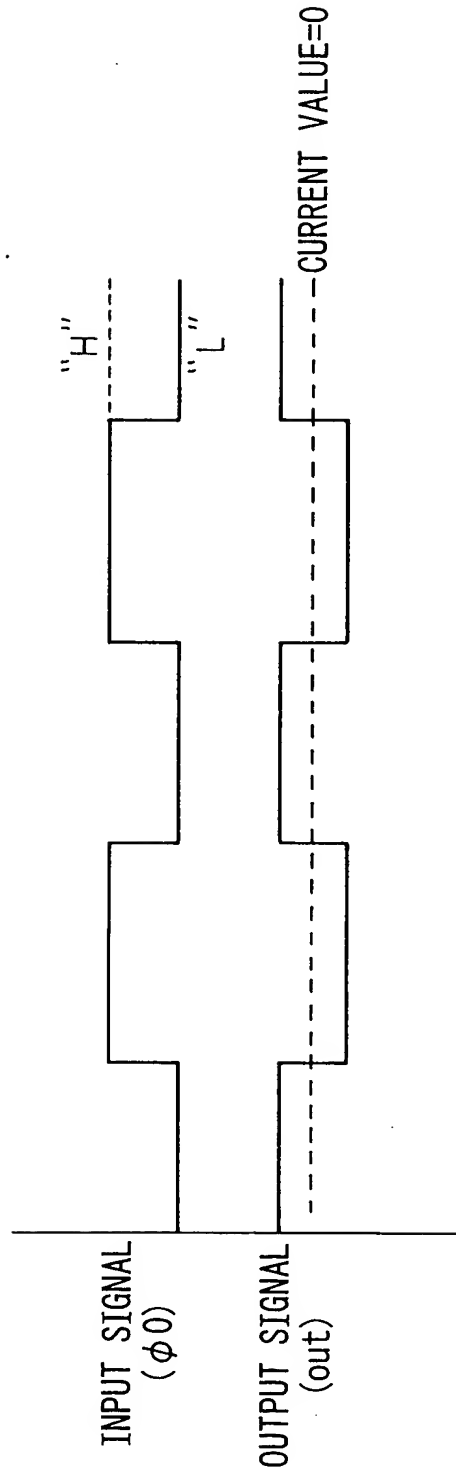
Fig.8B





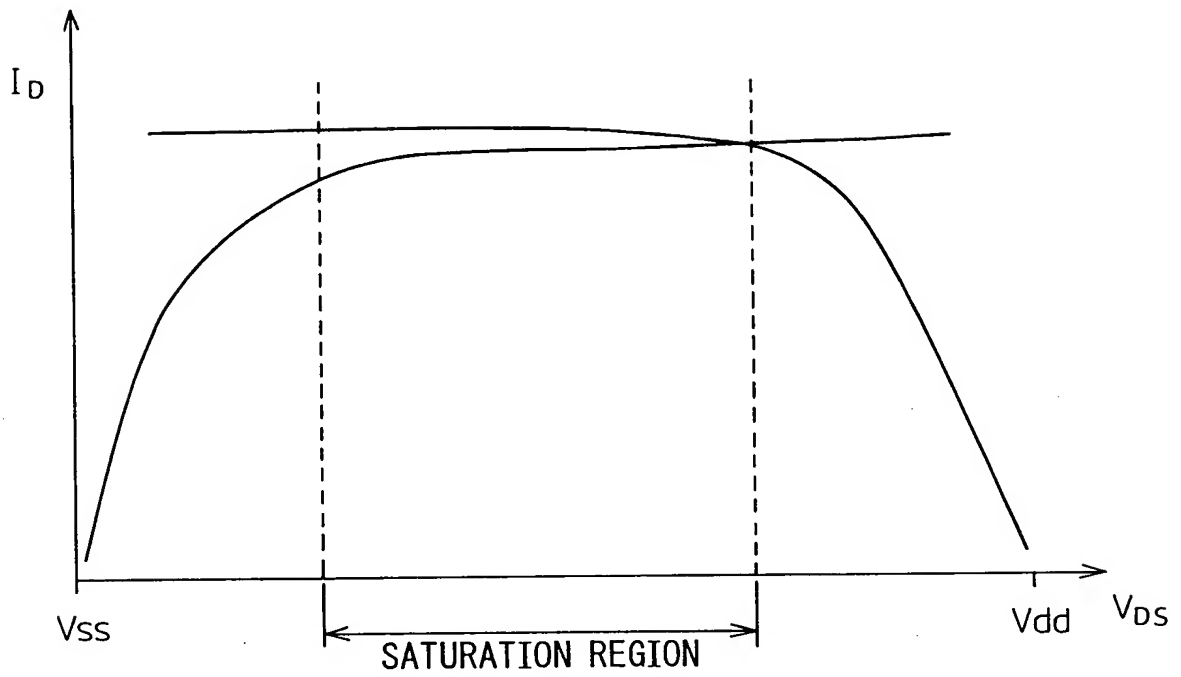
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Fig.9



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Fig.10



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Fig.11A

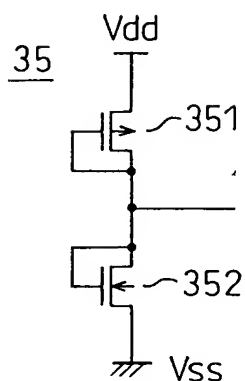


Fig.11B

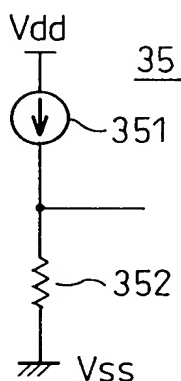


Fig.11C

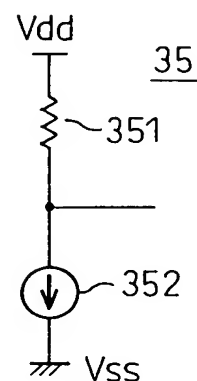


Fig.11D

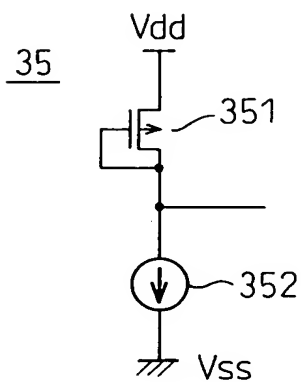
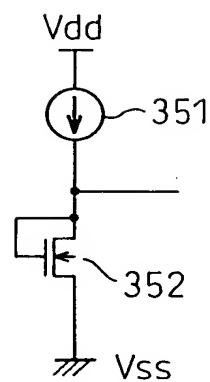
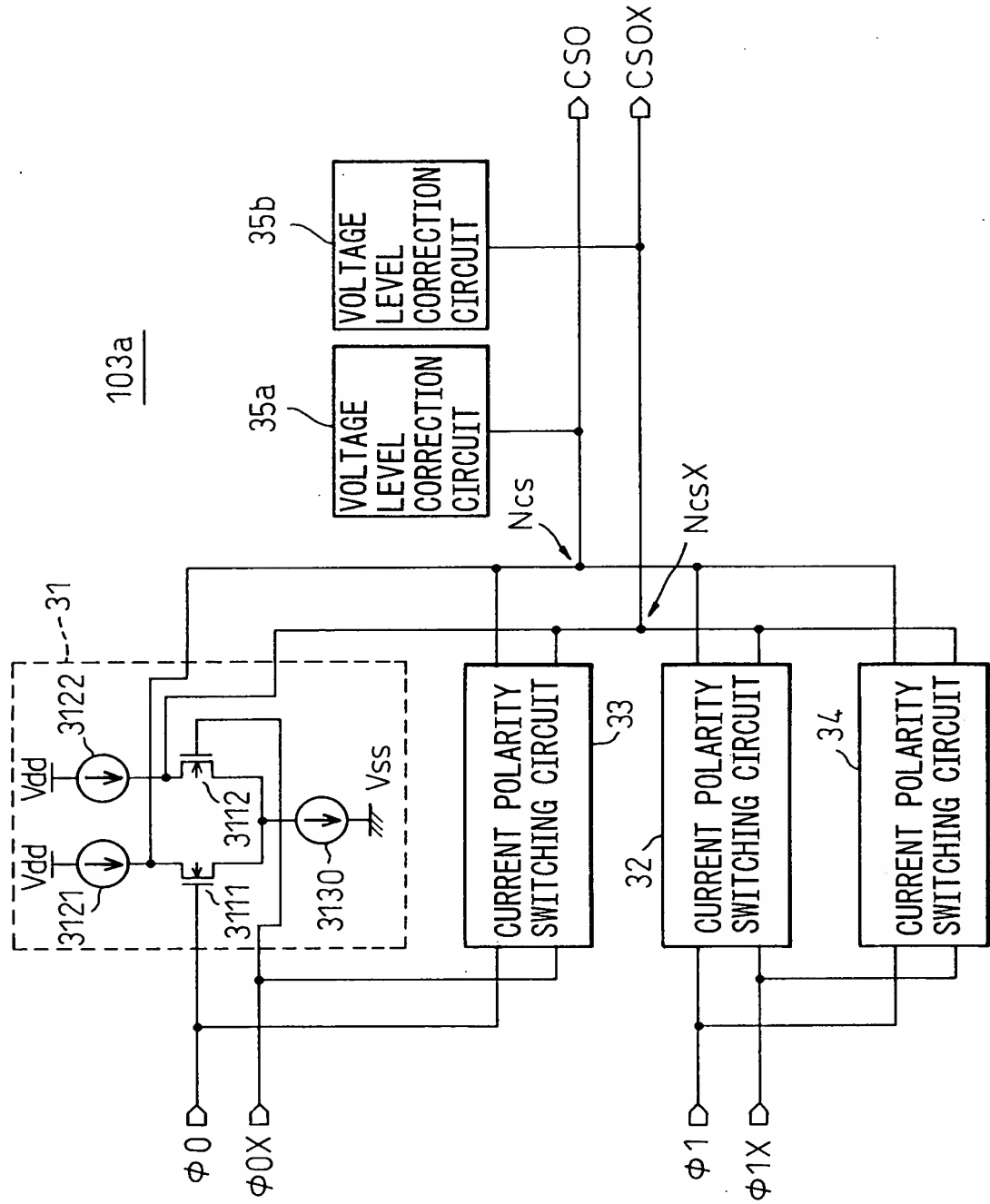


Fig.11E



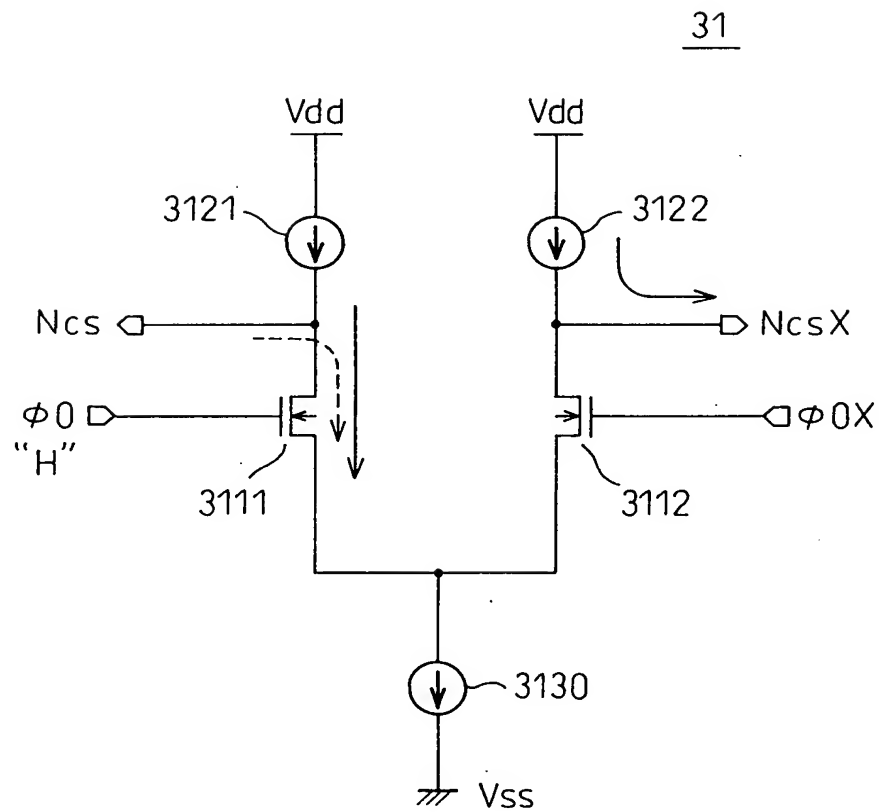
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Fig.12

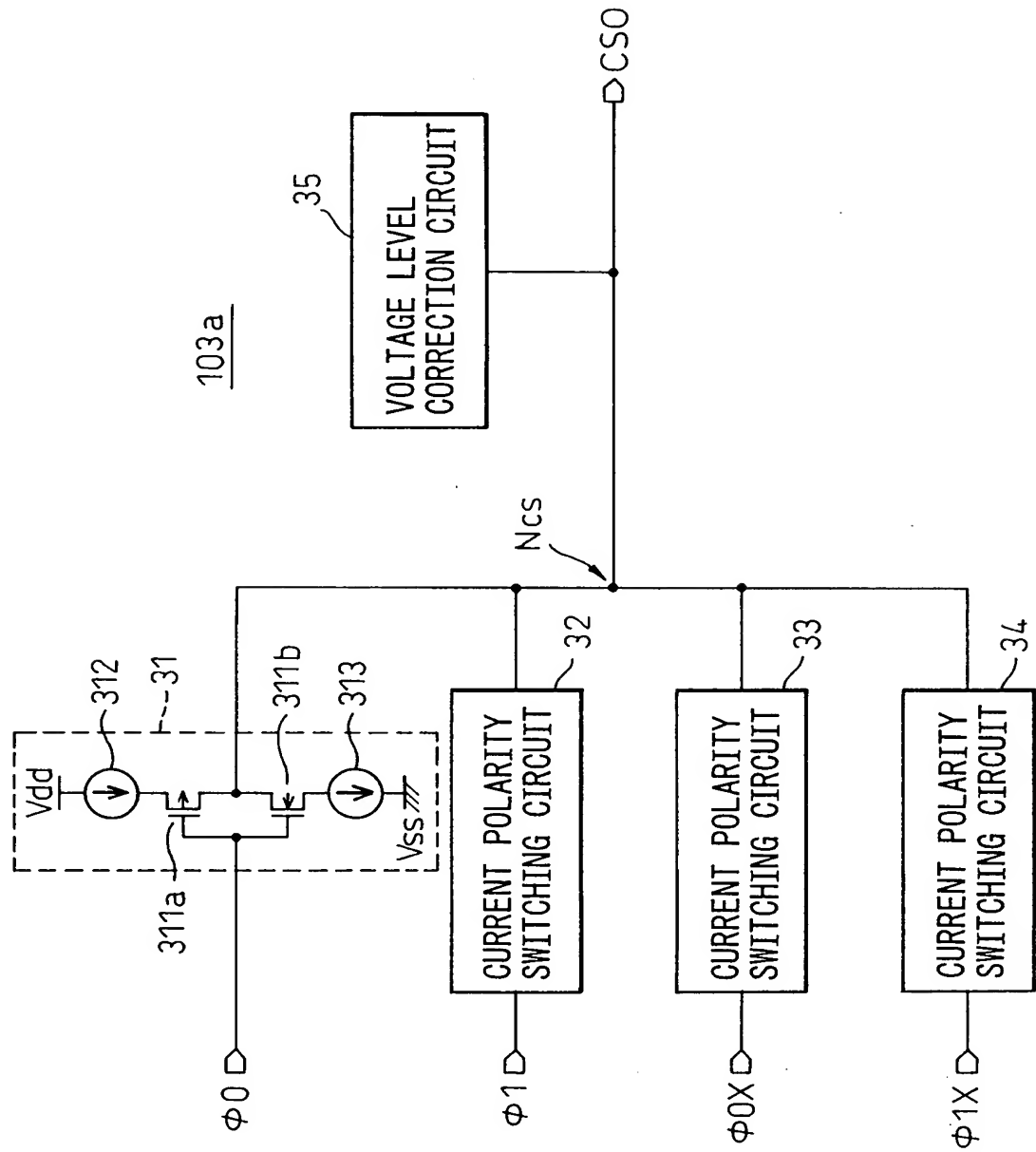


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Fig.13



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Fig.15A

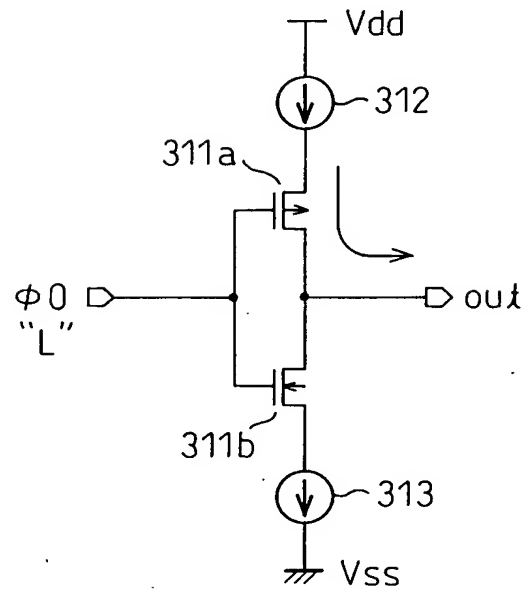
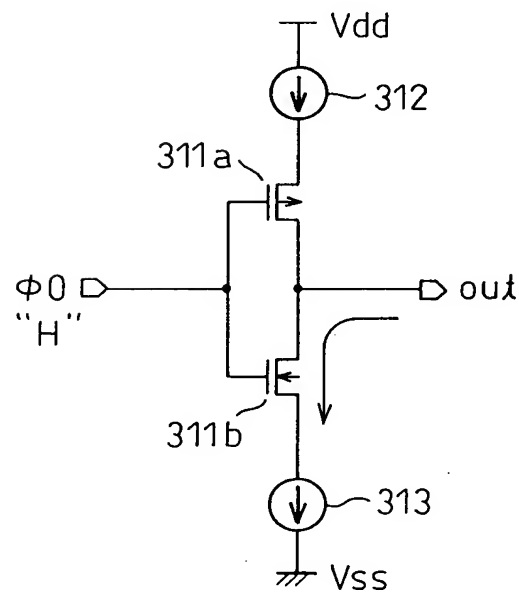
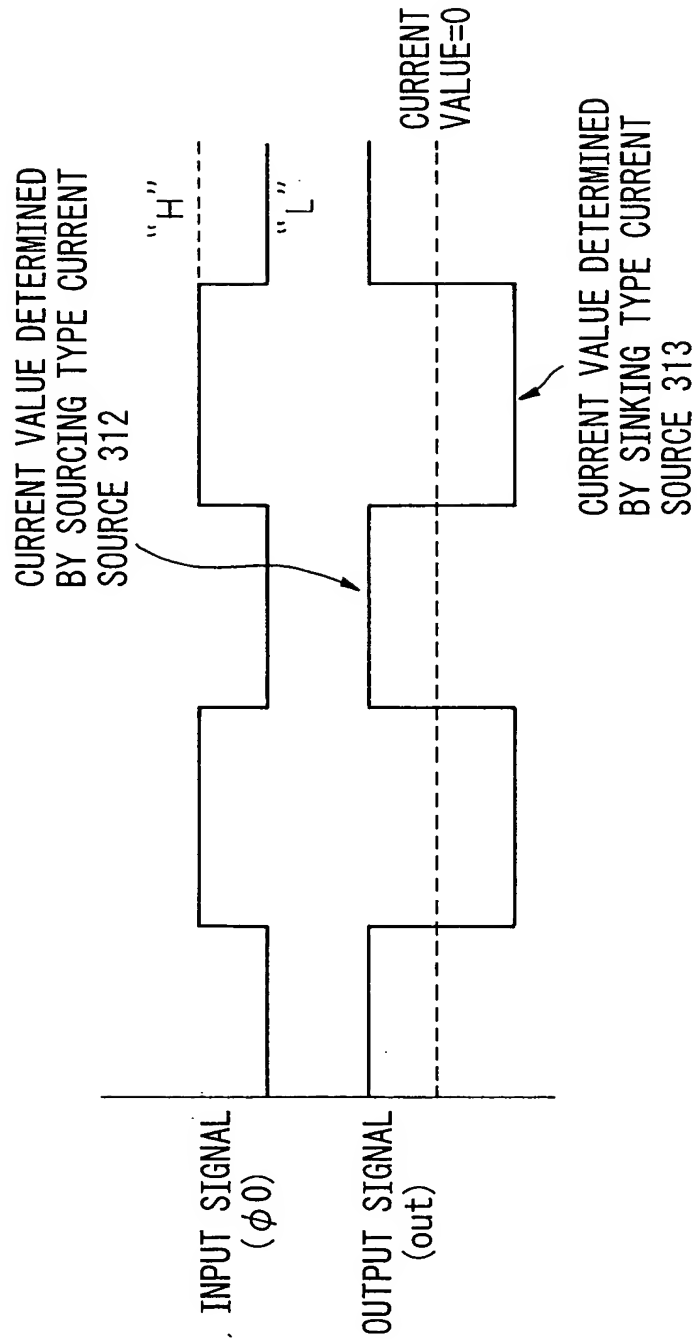


Fig.15 B



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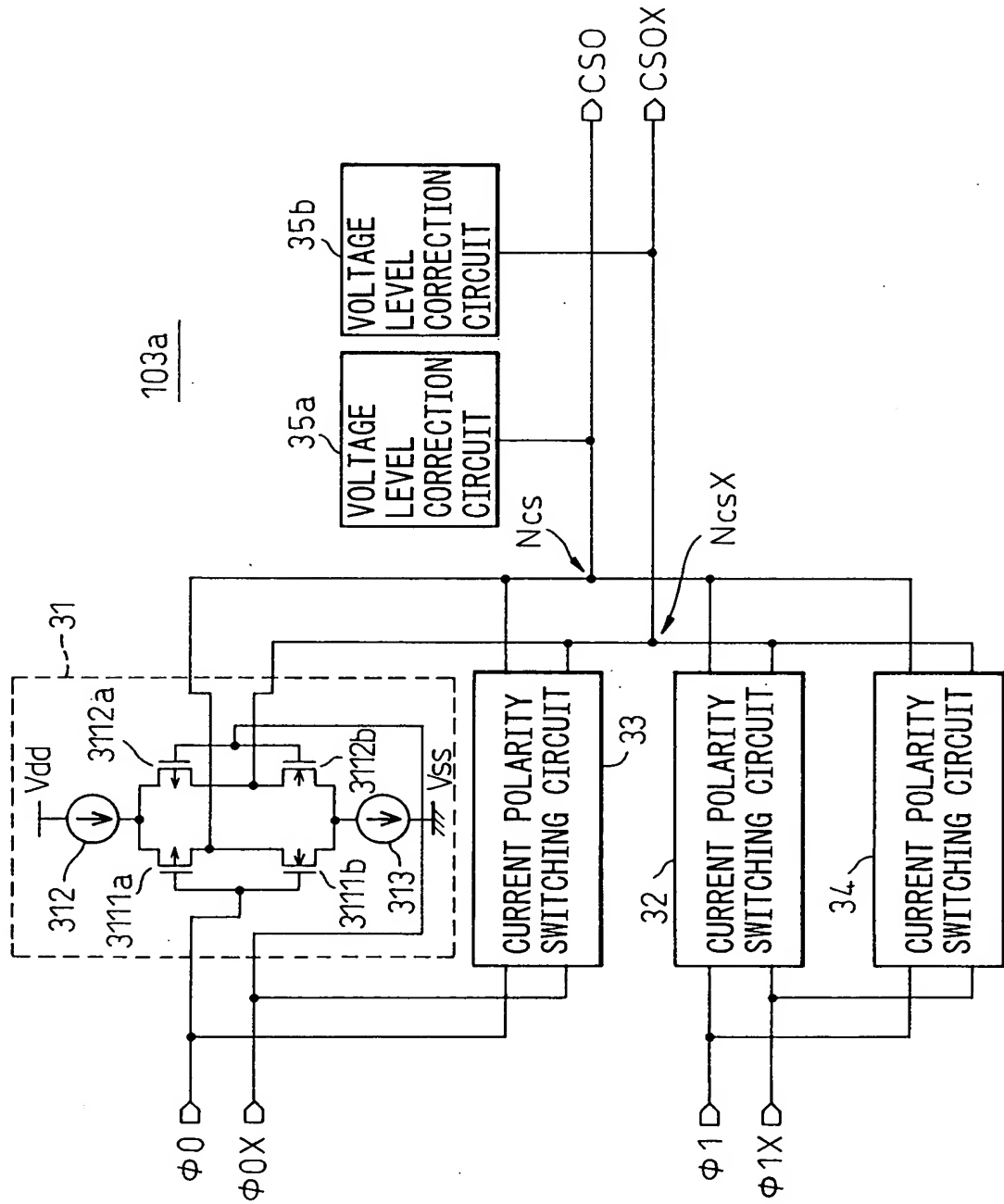
Fig.16



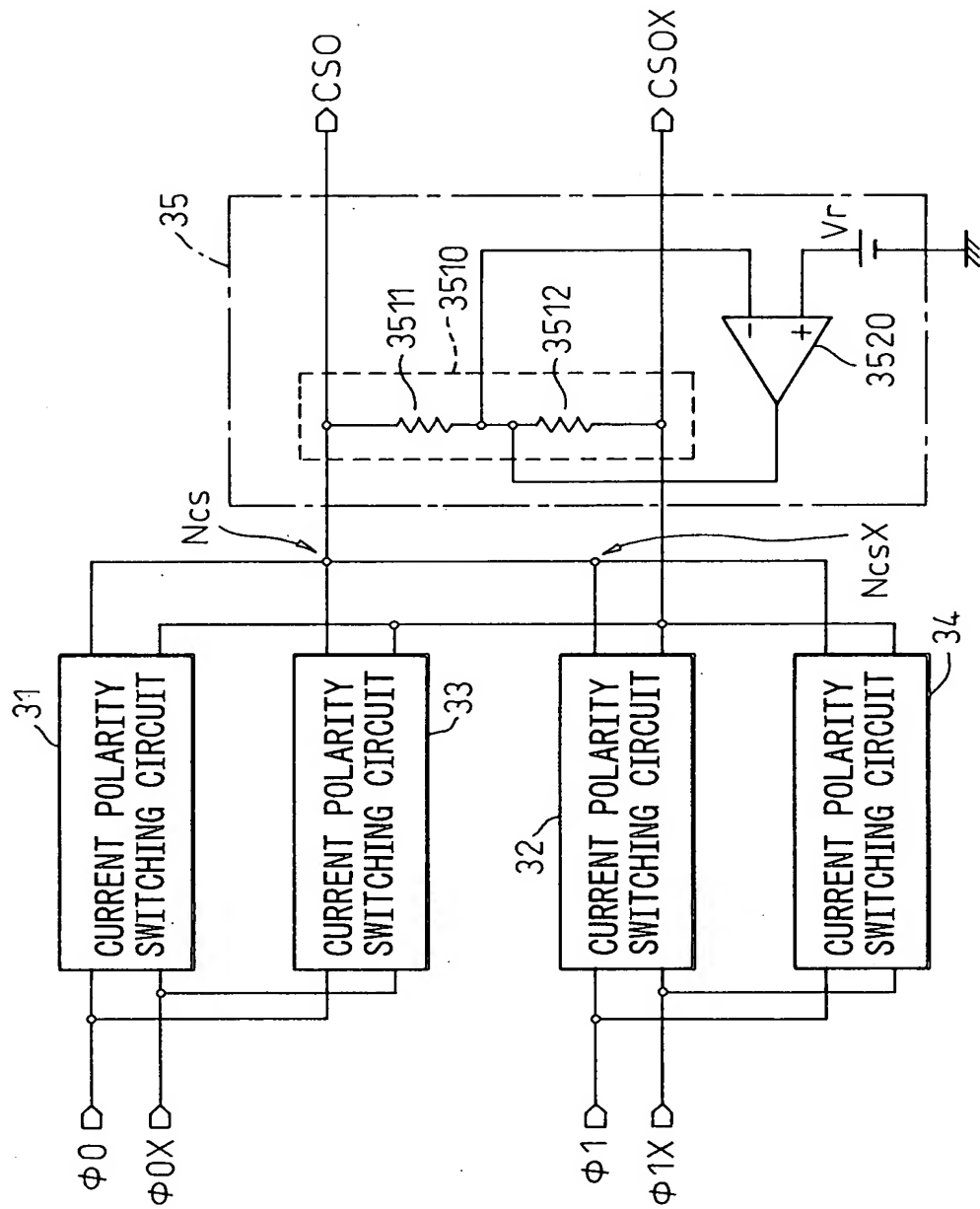


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Fig.17

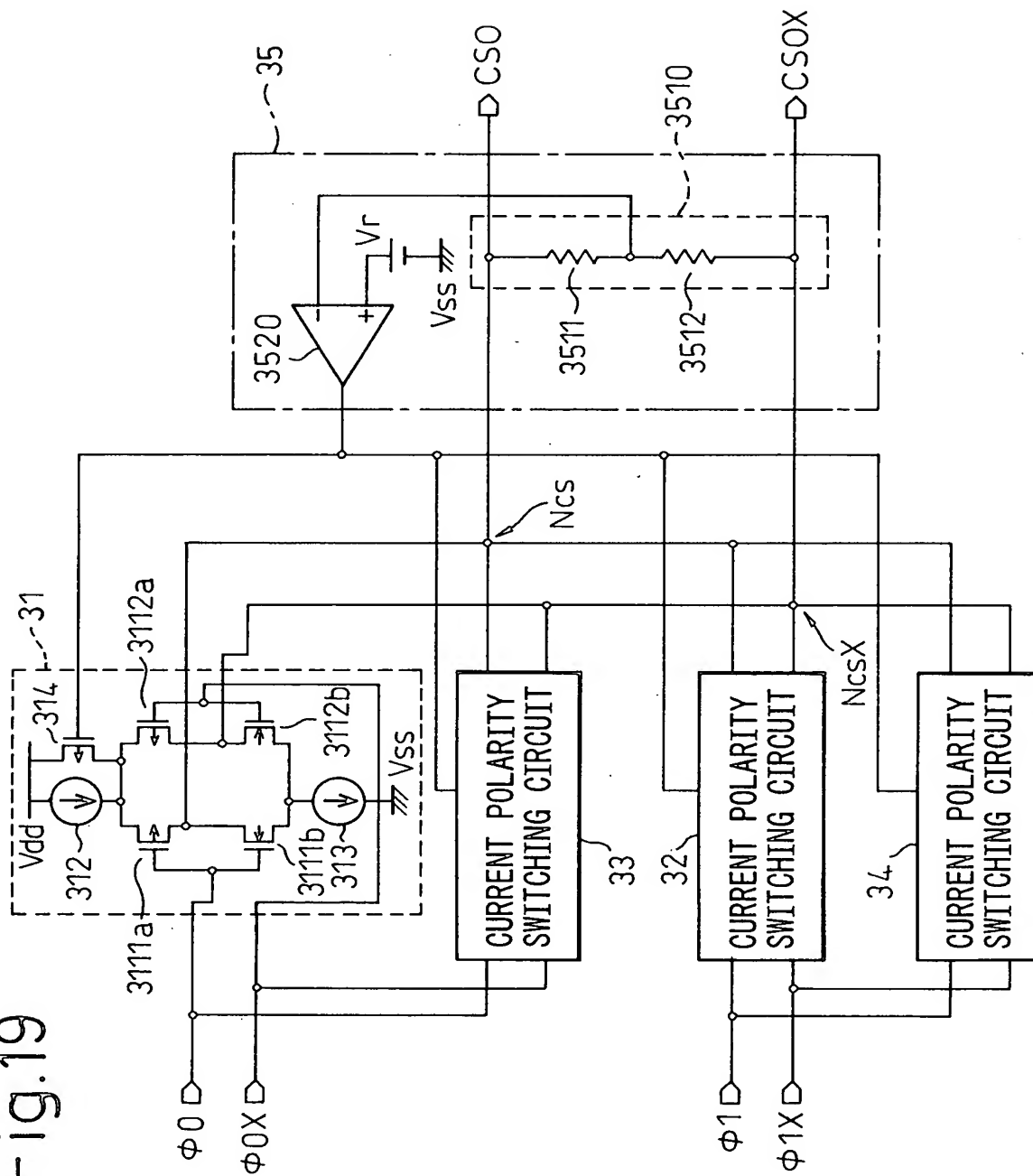


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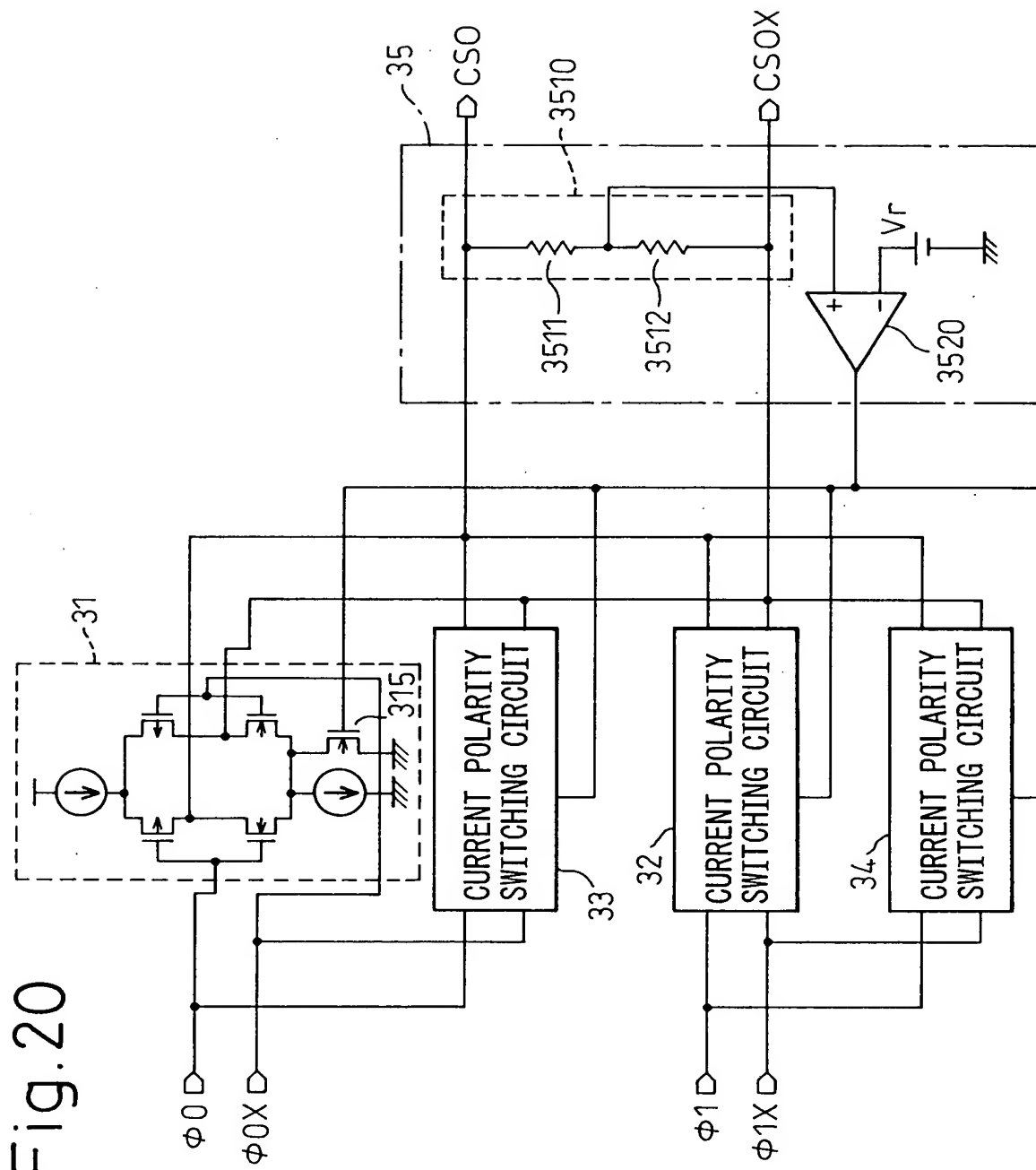


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Fig.19



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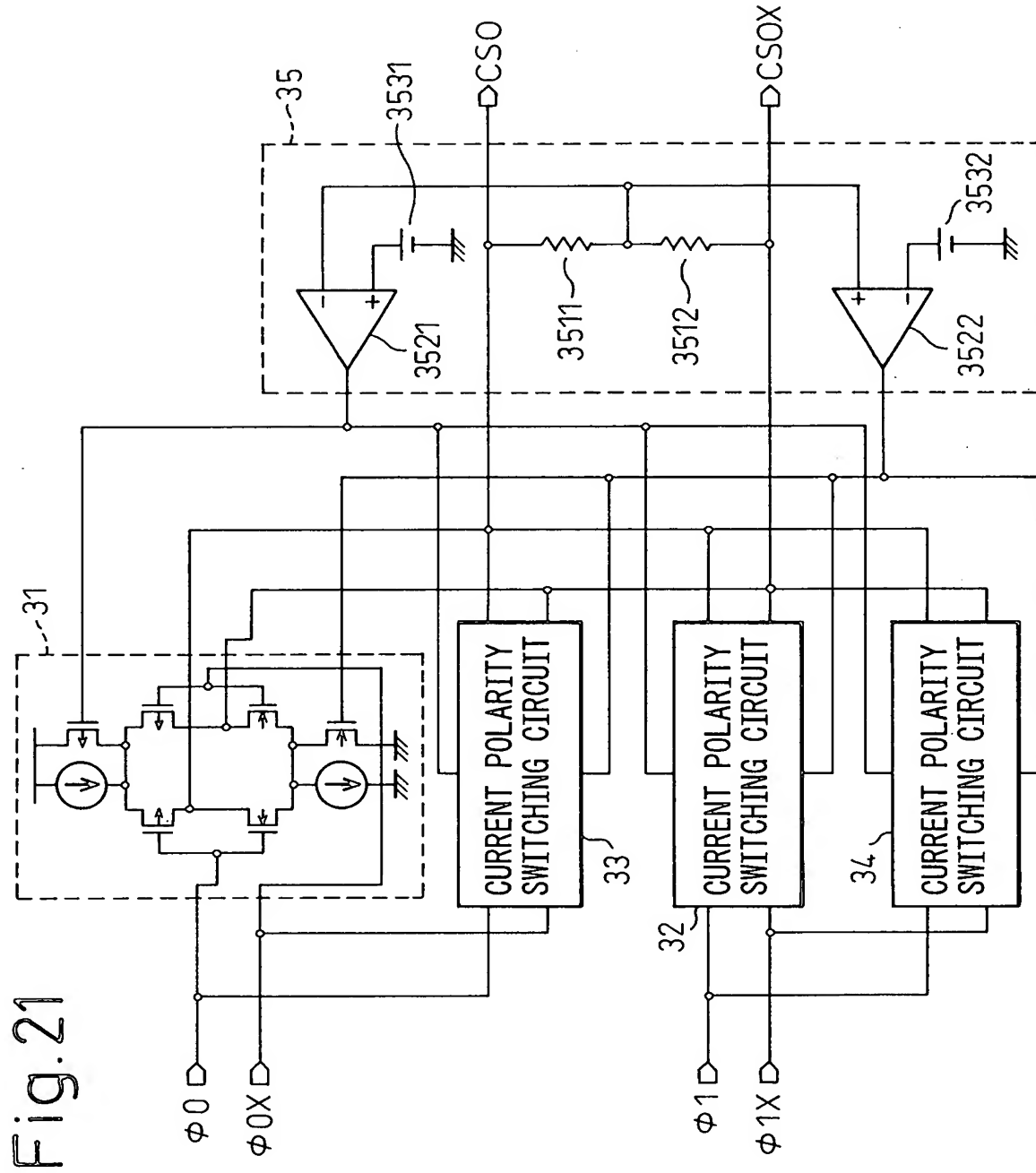
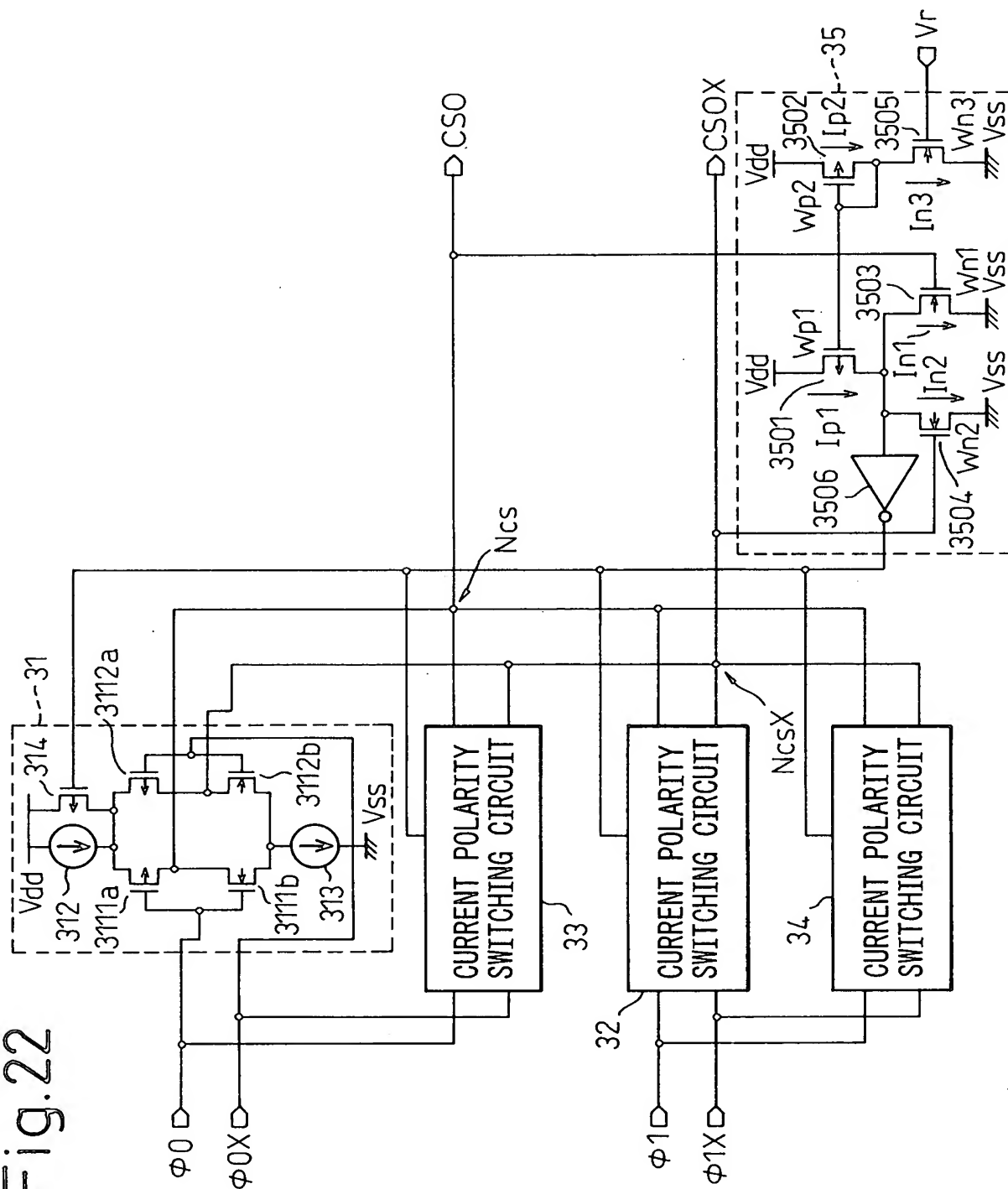
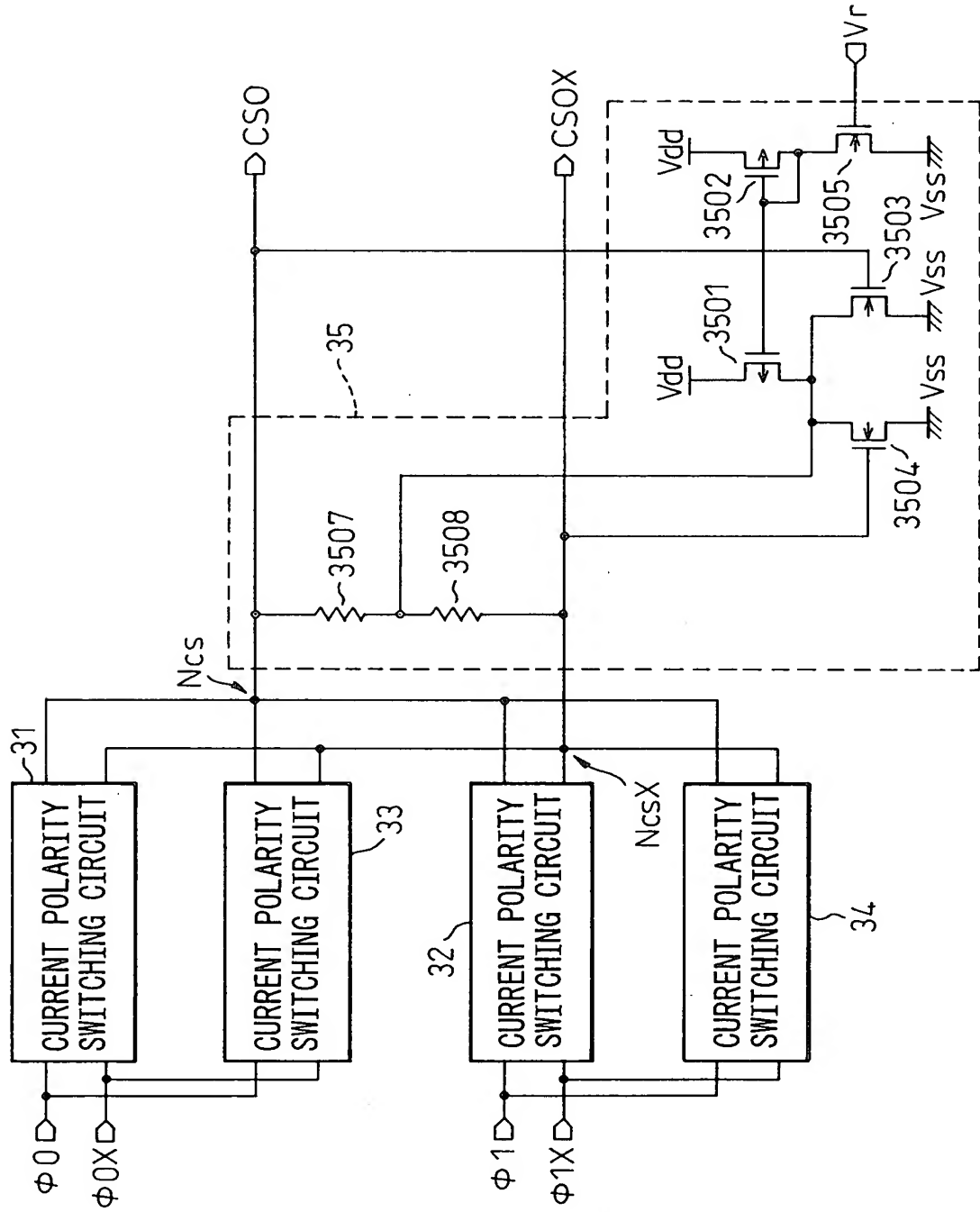


Fig. 22 is a schematic diagram of a current source circuit. The circuit includes a current source 312, transistors 311a and 311b, and a current source 313. It also features three current polarity switching circuits (33, 32, 34) and a current source 3501. The circuit is connected to Vdd, Vss, and various nodes like CSOX, Ncs, and NcsX.



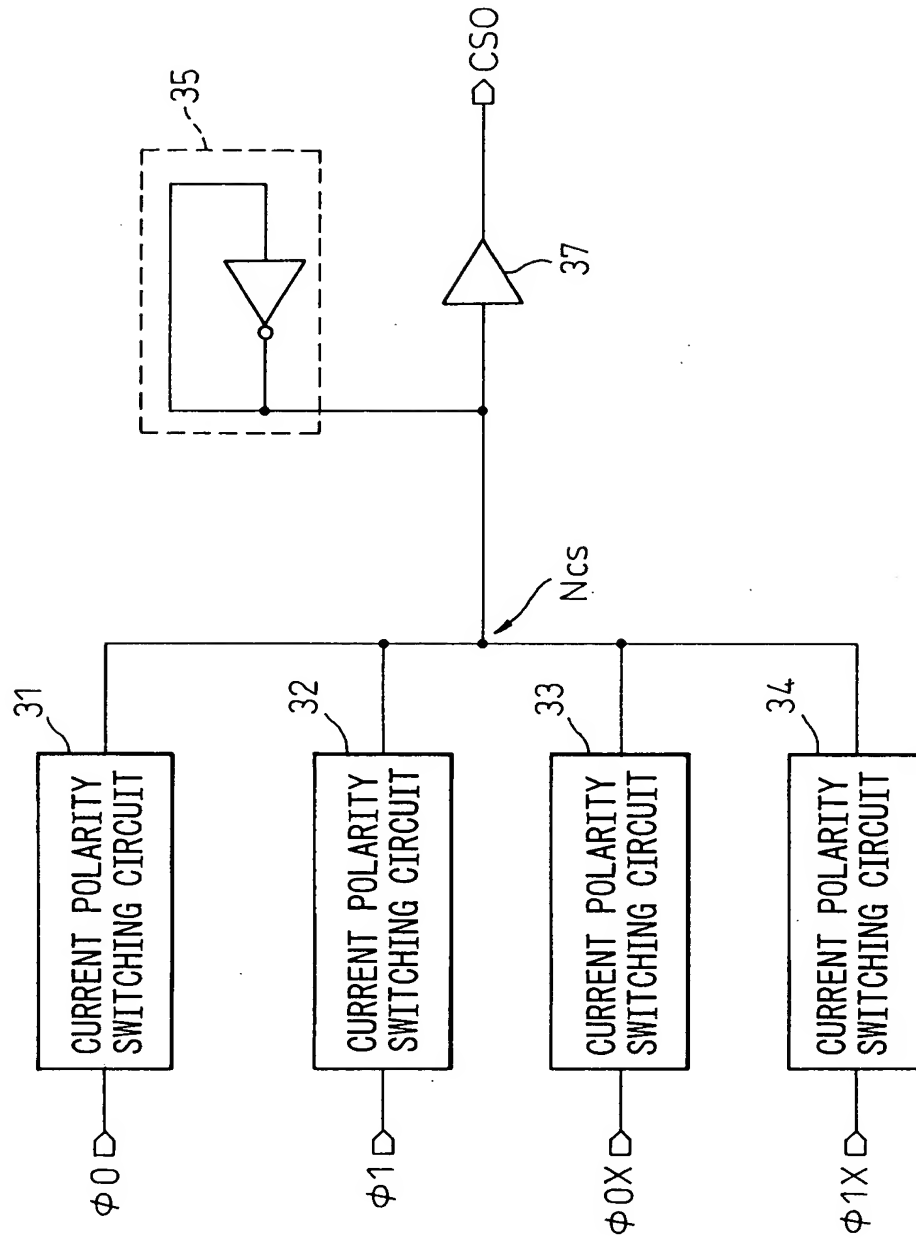
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Fig.23



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Fig. 24

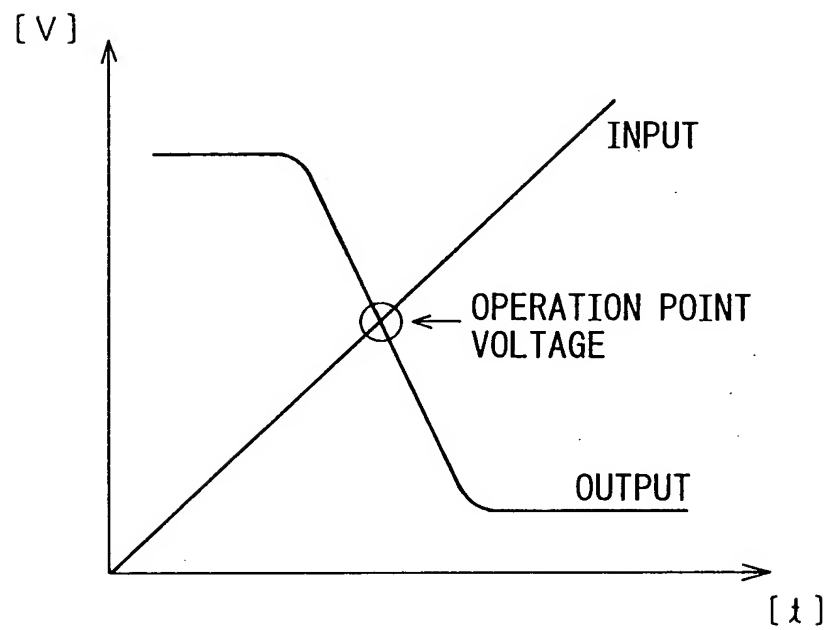




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Fig.25

[DC CHARACTERISTICS OF AMPLIFIER]



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Fig. 26

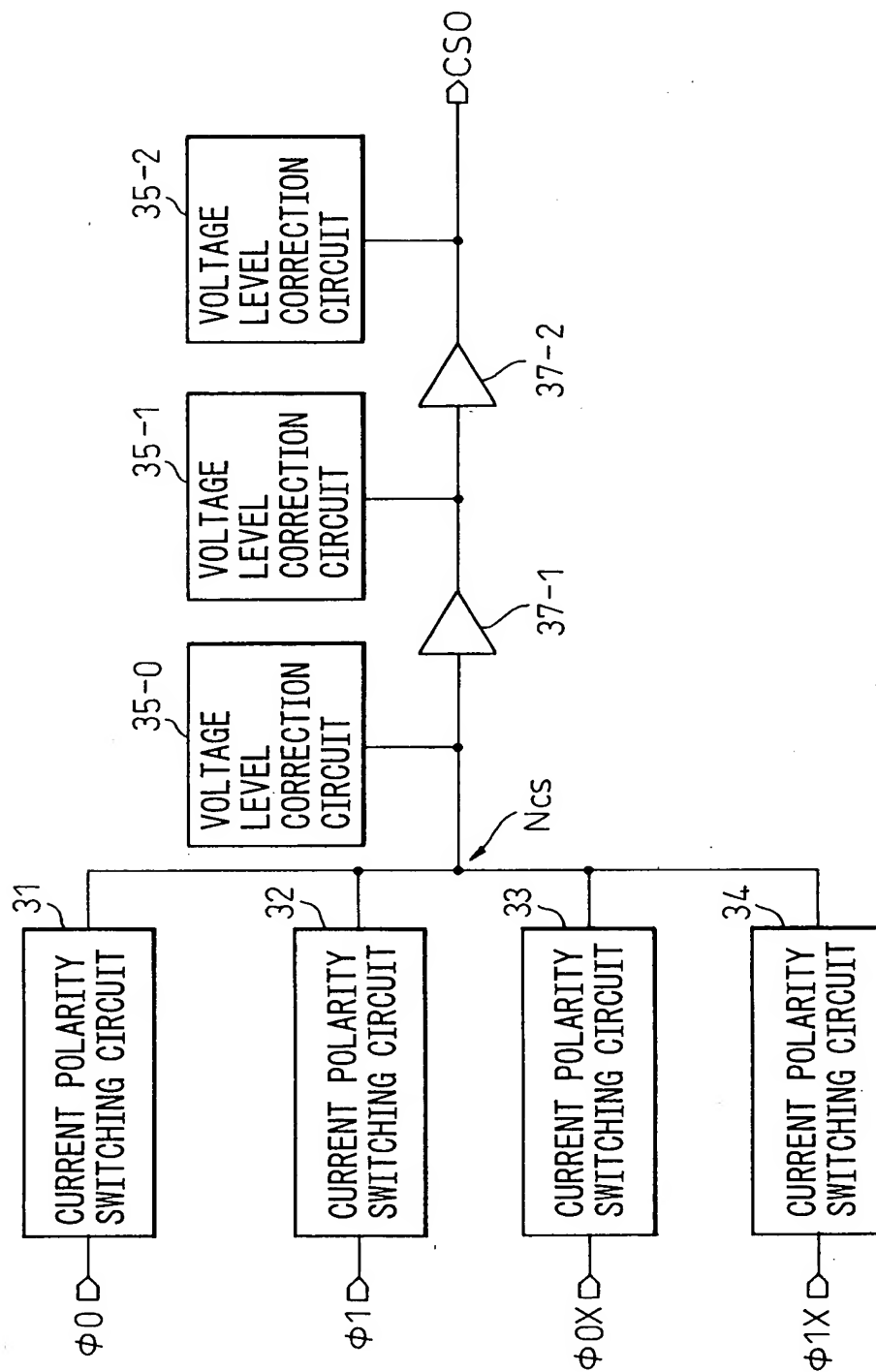




Fig. 28 A

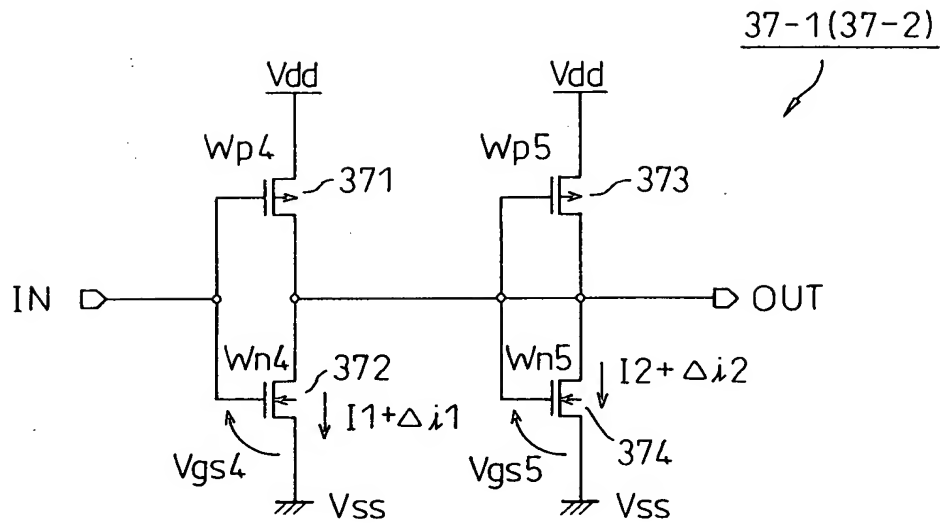


Fig. 28B

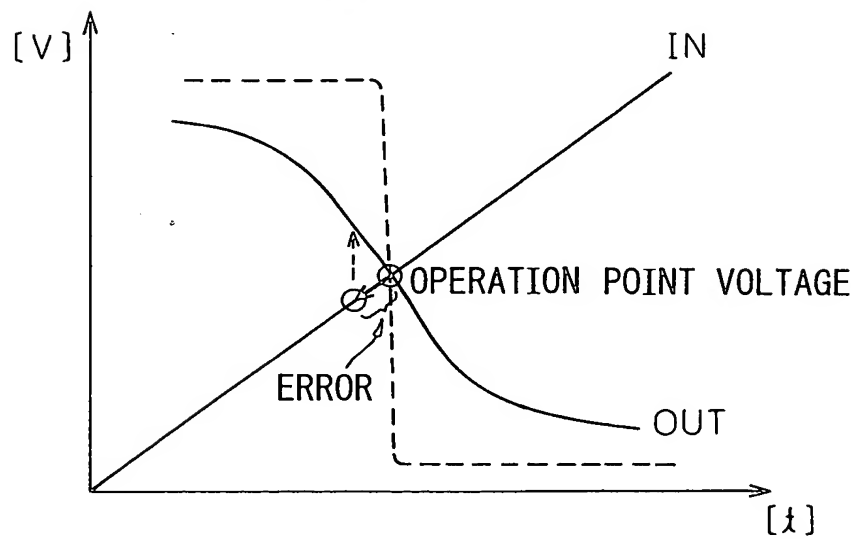
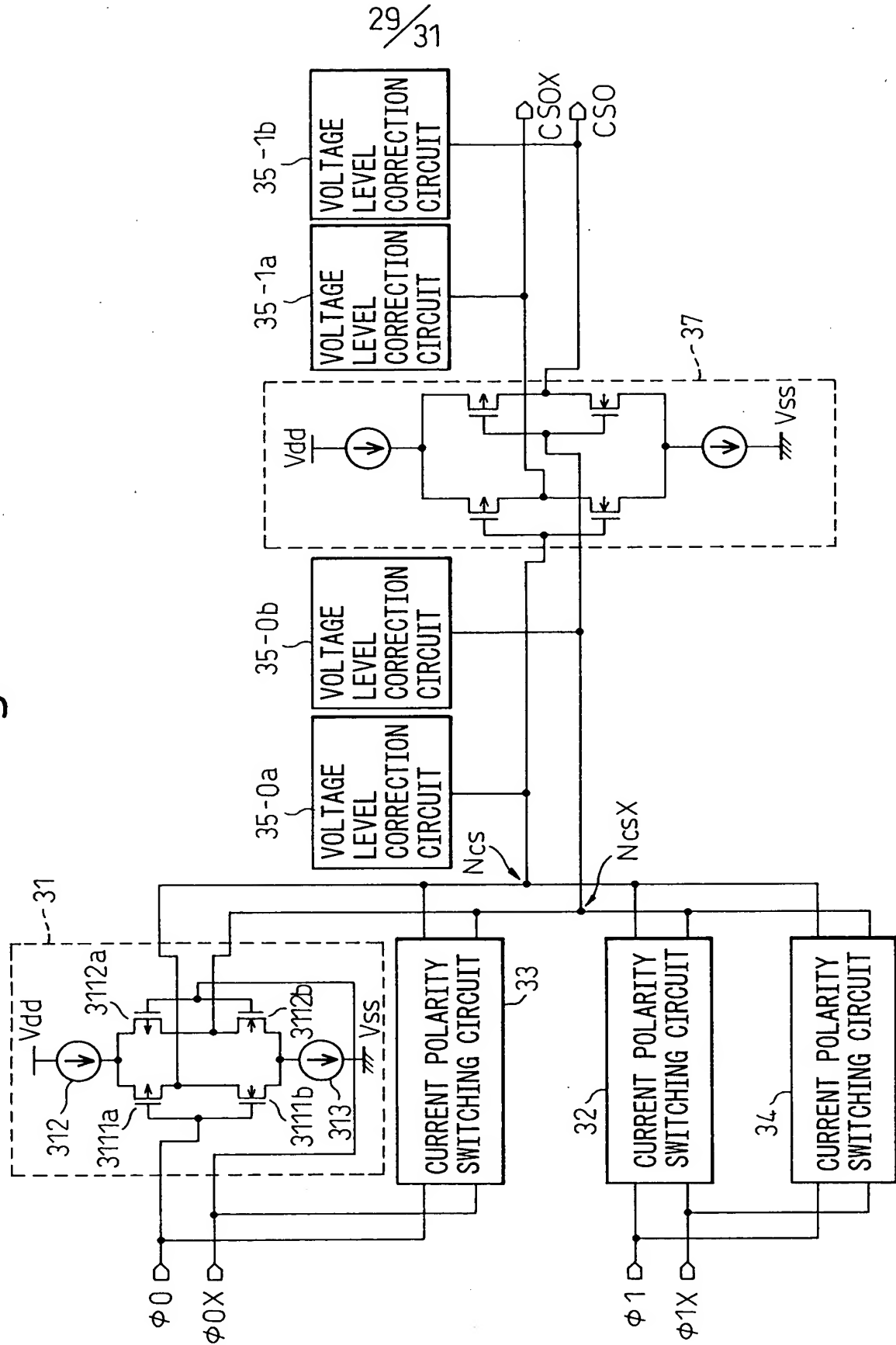
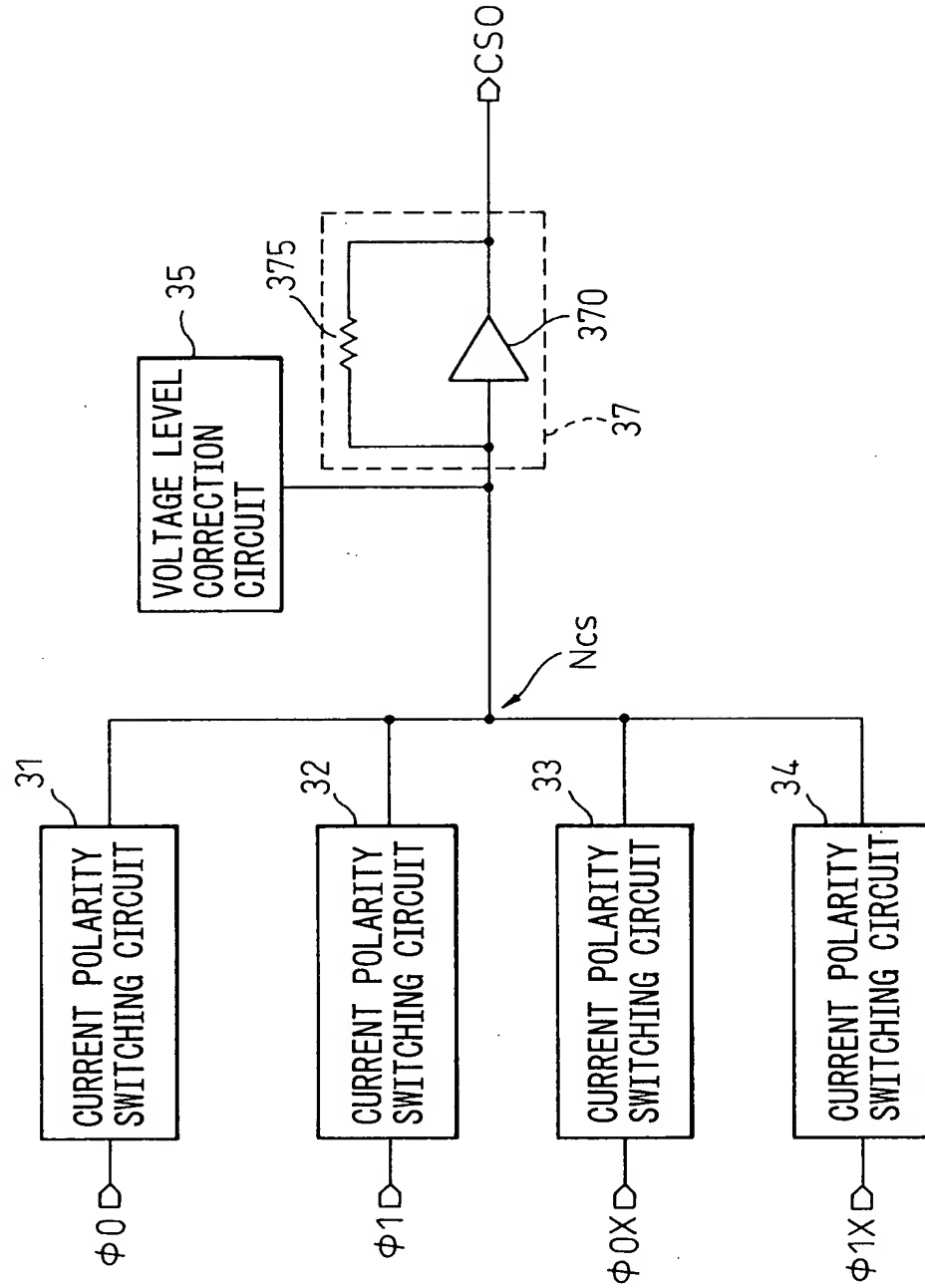


Fig. 29



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Fig.30



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Fig.31

